PE JC/36

PTO/SB/21 (04-04)
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Total Number of Pages in This Submission

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Application Number	09/975,220	
Filing Date	October 11, 2001	
First Named Inventor	MAHENDRAN	
Art Unit	1723	
Examiner Name	KIM, Sun U.	
Attorney Docket Number	4320-443	

ENCLOSURES (check all that apply)					
Fee Transmittal F	orm	☐ Drawing(s)	After Allowance Communication to Technology Center (TC)		
		Licensing-related Papers	Appeal Communication to Board of Appeals and Interferences		
Amendment / Rep	oly	Petition	Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)		
After Final		Petition to Convert to a Provisional Application	Proprietary Information		
Affidavits/dec	laration(s)	Power of Attorney, Revocation Change of Correspondence Address	Status Letter		
Extension of Time	e Request	Terminal Disclaimer	Other Enclosure(s) (please identify below):		
Express Abandonment Request		Request for Refund  CD, Number of CD(s)	Return Receipt Postcard		
☑ Information Disclo	osure Statement				
Certified Copy of Document(s)	Priority	Remarks	•		
Response to Miss					
Response to Parts under 3 1.52 or 1.53					
	SIGNA	TURE OF APPLICANT, ATTORNEY, OF	RAGENT		
Firm	Scott Pundsack				
or Individual name	or Registration No. 47,330				
Signature	Signature Scote Purdson.				
Date	Date November 15, 2004				
	CERTIFICATE OF TRANSMISSION/MAILING				

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date

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PTO/SB/17 (10-04v2)

Under the Haperwork Reduction Act of 1995, no persons are required to	U.S. Patent and Tr	Approved for use through 07/31/2006, OMB 0651-003 rademark Office; U.S. DEPARTMENT OF COMMERC ormation unless it displays a valid OMB control number
THOUSE TRANSMITTAL	Co	omplete if Known
E IRANSIVIII IAL	Application Number	09/975,220
for FY 2005	Filing Date	October 11, 2001
Effective 10/01/2004. Patent fees are subject to annual revision.	First Named Inventor	MAHENDRAN
	Examiner Name	KIM, Sun U.
Applicant claims small entity status. See 37 CFR 1.27	Art Unit	1723
TOTAL AMOUNT OF PAYMENT (\$) 180.00	Attorney Docket No.	4320-443

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit card Money Other None	3. A[	DDITI	ONAL	. FEE	S	
Deposit Account:	Large E	Entity	Small	Entity		
Denenit	Fee	Fee		Fee	Fee Description	
Account 022095	1051	( <b>&gt;</b> ) 130	<b>Code</b> 2051	***	Surphargo late filing for or oath	Fee Paid
Number Deposit					Surcharge - late filing fee or oath  Surcharge - late provisional filing fee or	
Account   Bereskin & Parr	1052	50	2052	25	over sheet	<b></b>
Name The Director is authorized to: (check all that apply)	1053	130	1053	130	Non-English specification	<b></b>
Charge fee(s) indicated below Credit any overpayments	1812	2,520	1812 2	2,520	For filing a request for ex parte reexamination	<b> </b>
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee	1805	1.840*	1805	1.840*	Requesting publication of SIR after	
to the above-identified deposit account.		.,	,,,,,	.,	Examiner action	<b> </b>
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252	430	2252	215	Extension for reply within second month	<del></del>
Large Entity Small Entity	1253	980	2253	490	Extension for reply within third month	<b></b>
Fee Fee Fee Fee Pee Pee Paid Code (\$) Code (\$)	1254	1,530	2254	765	Extension for reply within fourth month	
1001 790 2001 395 Utility filing fee	1255	2,080	2255	1,040	Extension for reply within fifth month	<b></b>
1002 350 2002 175 Design filing fee	1401	340	2401	170	Notice of Appeal	
1003 550 2003 275 Plant filing fee	1402	340	2402	170	Filing a brief in support of an appeal	
1004 790 2004 395 Reissue filing fee	1403	300	2403	150	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 0.00	1452	110	2452	55	Petition to revive - unavoidable	
	1453	1,370	2453	685	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,370	2501	685	Utility issue fee (or reissue)	
Extra Claims below Fee Paid	1502	490	2502	245	Design issue fee	
Total Claims = 0.00	1503	660	2503	330	Plant issue fee	
Independent Claims X = X = 0.00	1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity   Small Entity	1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
Fee Fee Fee Fee Description  Code (\$)  Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1202 18 2202 9 Claims in excess of 20	1809	790	2809	395	Filing a submission after final rejection	
1201 88 2201 44 Independent claims in excess of 3					(37 ČFR 1.129(a))	<b>——</b>
1203 300 2203 150 Multiple dependent claim, if not paid	1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))	
1204 88 2204 44 ** Reissue independent claims over original patent	1801	790	2801	395	, , , , , , , , , , , , , , , , , , , ,	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	, , ,	
	Other	fee (sp	ecify) _			
**or number previously paid, if greater; For Reissues, see above	*Redu	ced by	Basic F	Filing F	ee Paid SUBTOTAL (3) (\$)	180.00

SUBMITTED BY				(Complete (	(if applicable))
Name (Print/Type)	Scott Pundsack	Registration No. (Attomey/Agent)	47,330	Telephone	(416) 364-7311
Signature	Coo Kindsont			Date	November 15, 2004

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PTO/SB/08a (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

4320-443

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known Application Number 09/975,220 INFORMATION DISCLOSURE Filing Date October 11, 2001 STATEMENT BY APPLICANT First Named Inventor **MAHENDRAN** Art Unit 1723 (Use as many sheets as necessary) Examiner Name KIM, Sun U.

Attorney Docket Number

	U.S. PATENT DOCUMENTS						
Examiner Cite	Cite Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant			
Initials *	No.'	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	CREC DOCUMERA	Passages or Relevant Figures Appear		
		US -					
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		FOREIGN PA	TENT DOCU	MENTS		-
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
		JP 61-263605	11-21-1986	Toshiba Corp.	7	
		English language abstract of JP 61-263605				
		JP 06-285496	10-11-1994	Ebara Infilco Co. Ltd.		Machine
		English language abstract of JP 06-285496				
		JP 05-285348	11-02-1993	Nitto Denko Corp.		Machine
		English language abstract of JP 05-285348				
		JP 06-218361	08-09-1994	Kubota Corp.		Machine
		English language abstract of JP 06-218361				
		JP 06-218238	08-09-1994	Kubota Corp.		Machine
		English language abstract of JP 06-218238				
						<u> </u>

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Examiner Signature	Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

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Sheet

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

2

Complete if Known			
Application Number	09/975,220		
Filing Date	October 11, 2001		
First Named Inventor	MAHENDRAN		
Art Unit	1723		
Examiner Name	KIM, Sun U.		
Attorney Docket Number	4320-443		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		KAIYA et al., "Water Purification Using Hollow Fiber Microfiltration Membranes", 6th World Filtration Congress, Nagoya, 1993, pp 813-816.	
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Examiner	 Date	•
Signature	 Considered	 

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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